

# **CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN TEMPLATE**

The following template outline may be used as a general guide for development of a Stormwater Pollution Prevention Plan (SWPPP) for construction activities. Important general instructions for the contractor can appear on the first page.

- The SWPPP shall be completed prior to the submittal of the Notice of Intent (NOI) to be covered under the U.S. Environmental Protection Agency's Construction General Permit (CGP).
- The SWPPP shall be amended whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for discharge of pollutants to surface waters or a Municipal Separate Storm Sewer System (MS4). The SWPPP also shall be amended if it proves to be ineffective in significantly reducing pollutants. The SWPPP also shall be amended to indicate any new contractor and/or subcontractor that will implement any measure of the SWPPP. All amendments shall be signed, dated, and kept as attachments to the original SWPPP.
- Post a sign or other notice near the main entrance of the construction site. The sign must contain a copy of the NOI, name and phone number of contact person for scheduling SWPPP viewing time, and the location of the SWPPP.
- A working copy of this SWPPP must be kept at the construction site or be locally available for review by EPA and local regulatory agencies
- A copy of the Stormwater General Permit IDR 1000000 and the Notice of Intent for this project must be attached to this SWPPP
- Documentation of Permit eligibility related to endangered species should be attached to this SWPPP.
- Guidance for selecting and implementing BMPs is available in the Idaho Transportation Department Erosion and Sediment Control Manual, the Boise City BMP Manual, and the Idaho Department of Environmental Quality BMP Manual. Attach additional pages when necessary to provide the required information

## Plan Information

### General Information

Name and Location of Project:

Operator: Name, Address, and Phone Number

Person Responsible for Implementing SWPPP (Name, Address, and Phone Number)

Notice of Intent Filing Date

Signed Certification

### I. Project Name and Location Information:

#### General Location Map

**Site Map** - A site map must be developed and must contain, at a minimum, the following information:

- ✓ Drainage patterns,
- ✓ Approximate slopes after major grading activities,
- ✓ Areas of soil disturbance,
- ✓ Outline all areas that are not to be disturbed,
- ✓ Location of all major structural and non-structural controls,
- ✓ The location of expected stabilization practices,
- ✓ Wetlands, surface waters, drains, ditches and
- ✓ Locations where stormwater may discharge to a surface water or MS4.

#### Description of the Proposed Construction Activity

**Total Area of Site (acres):**      **Total Disturbed Area (acres):**

**Operators** – Include a list of all operators at the site and the area over which each operator has control.

### II. Schedule

Provide a general schedule guideline for implementing BMPs during construction of this project, including beginning and ending dates and dates of major soil disturbing activities. Useful guidelines to include for the contractor are:

- Prior to any soil disturbing activities the contractor will install perimeter control BMPs (constructing entrances, clearing limit stakes)
- Prior to any grading activities, temporary sediment traps will be constructed. All disturbed areas will be stabilized with temporary BMPs if construction activity stops for more than 14 days.
- Additional erosion and sedimentation controls will be installed as needed throughout construction.
- BMPs will be maintained as necessary.

- Once all permanent construction is completed, all remaining areas will be stabilized.

### **Intended Sequence of Major Soil Disturbing Activities**

Provide a written and a graphical project schedule. The schedule shall clearly show how the rainy season relates to soil-disturbing and re-stabilization activities. The schedule only needs to be detailed enough to show major activities sequenced with the implementation of construction site BMPs.

### **III. Potential Sources of Pollution**

Summarize existing data describing the soil or quality of any stormwater discharge from the site. The primary construction activities, related materials, and wastes that have the potential to pollute storm water include:

- Soil disturbing activities and resulting exposed soil areas, including minor grading along the shoulder and trenching
- Slurries from mortar mixing and PCC saw-cutting and placement
- Solid wastes from PCC demolition and removal, sound-wall construction, and form work
- Temporary on-site storage of construction materials, including mortar mix, raw landscaping, soil stabilization materials, and treated lumber
- General site litter

### **IV. Receiving Waters**

Describe adjacent streams, lakes, or wetlands and ultimate receiving water if site runoff is conveyed through storm sewer system.

### **V. Pollution Control Measures/Best Management Practices**

Give a detailed description of all controls, Best Management Practices (BMPs) and measures that will be implemented at the construction site for each activity identified in the intended sequence of major soil disturbing activities section. Provide time frames in which the controls will be implemented.

Reference a BMP Manual, specification, provisions, or policies as appropriate. The following table is one way to organize this information.

Practice	BMP, Std. Spec. or Other Standard	Implementation Schedule	Operator Responsible for Installation

**BMPs could include:**

- **Delineation of Clearing and Easement Limits**
- **Erosion and Sediment Control Practices** - all structural controls to be implemented to divert stormwater flow from exposed soils and structural practices to store flows, retain sediment on-site or in any other way limit stormwater runoff.
- **Stabilization Practices, General** - the temporary stabilization BMPs that will be provided on stockpiles and disturbed portions of the site where construction activity is expected to cease for 14 days or more and will not be resumed within 21 days. Describe the permanent stabilization BMPs that will be provided on disturbed portion of the site where construction activities have permanently ceased.

Stabilization measures must be initiated as soon as practicable, but not more than 14 days after construction activities in that portion of the site where activities have temporarily or permanently ceased. During seasonally dry periods in areas with average annual rainfall of less than 20 inches, the stabilization measures do not have to be initiated within 14 days, but must be initiated as soon as practicable.

- **Stabilization Practices, Conveyance Channels and Outlets** - the temporary stabilization BMPs that will be provided on conveyance channels and outlets on and adjacent to the site.
- **Permanent Stormwater Management Controls** - the control measures that will be provided to control storm water discharges after project completion.
- **Offsite Vehicle Tracking Controls** - the control measures that will be provided to prevent tracking or deposition of sediments offsite and the measures that will be used to remove any sediments that have been deposited on the paved roadways bordering the site.
- **Wind Erosion Control (Dust Control)**
- **Non-Storm Water Discharges** - the activities that may produce non-stormwater discharges, such as water line flushing and dewatering from excavation. Describe the BMPs that will be used to minimize stormwater pollution.
- **Material Storage, Waste Disposal, Spill Prevention and Response** – a description of the construction materials and chemicals that are expected to be stored onsite; and the construction wastes, hazardous and sanitary or septic wastes that are expected to be generated onsite. Construction

waste include concrete washout, excess building materials, chemicals, litter and debris. Construction wastes also include demolition wastes. Describe the BMPs that will be provided to ensure proper storage of these construction materials and wastes that will minimize their exposure to stormwater. Describe the response measures that will be provided if a spill occurs.

## **VI. Inspection/Maintenance Procedures**

Describe the inspection and inspection documentation procedures. Inspections must occur every 7 days or every 14 days and within 24 hours of the end of a storm event that is 0.50 inches or greater. Provide a detailed description of the maintenance plan for all structural and non-structural controls to assure that they remain in good and effective operating condition.

The following sources may be used to obtain weather forecasts:

- The National Weather Service: Telephone: ()  
Website: <http://www.wrh.noaa.gov/Boise/>
- The Western Regional Climate Center  
Website: <http://www.wrcc.dri.edu/CURRENTOBS.html>
- The Weather Channel  
Website: <http://www.weather.com/>

Inspection frequency will be reduced to at least once every month when the entire site is temporarily stabilized. An inspection report will be completed for each inspection. Inspection forms should be included (Attachment I).

The individuals who will be performing the inspections and their qualifications should be listed. These individuals are authorized to perform inspections and sign the inspection reports.

## **VII. SWPPP Amendments (3.11)**

Required whenever the SWPPP is amended due to a change in construction or operations, which may affect the discharge of pollutants, or if the SWPPP is ineffective in eliminating or significantly minimizing the discharge of pollutants from the construction site.

The following items will be included in each amendment:

- Who requested the amendment
- The location of the proposed change
- The reason for the change
- The original BMP proposed, if any
- The new BMP proposed

Provide a form for this purpose (Attachment I).

**VIII. Permit Eligibility Related to Endangered Species**

**IX. Permit Eligibility Related to Total Maximum Daily Loads**

**ATTACHMENT I. SWPPP RECORDS**

**Site Activities Form**

**Inspection Report Form**

**Representative Authorization Form**

**SWPPP Amendment Form**

**ATTACHMENT II. NOTICE OF INTENT AND CONFIRMATION**

**ATTACHMENT III. STORM WATER CONSTRUCTION GENERAL PERMIT**

**ATTACHMENT IV. VICINITY AND SITE MAPS**